ThinkPad® T410 2522 (Discrete) - Windows 7 - withdrawn

Type-model	Processor	Base (GHz)	Max turbo (GHz)	Memory	Wide-screen display	Camera	Disk SATA GB[8]	rpm	PCIe Mini Card 802.11	PCIe Mini Card WWAN	Carrier	Finger print reader	Bat-tery cells	Intel vPro	Workhorse (W) Preload	Global (G)	Avail date
2522-23U	i5-520M	2.40	2.93	2GB	14.1" WXGA		320G	7200	Intel 6200[28]	WWAN upg		Finger	***9***	vPro	Pro 32	G	Jan 10
2522-24U	i5-540M	2.53	3.06	2GB	14.1" WXGA+	2.0M	128G	SSD	Intel 6200	WWAN upg		Finger	***9***	vPro	Pro 32	G	Jan 10
2522-2BU	i5-520M	2.40	2.93	2GB	14.1" WXGA+	2.0M	320G	7200	Intel 6200	Gobi 2000	Verizon[16]	Finger	***9***	vPro	Pro 32		Jan 10
2522-26U	i5-520M	2.40	2.93	2GB	14.1" WXGA+	2.0M	80G	SSD	Intel 6200	WWAN upg		Finger	6	vPro	Pro 32	G	Jan 10
2522-4AU	i5-520M	2.40	2.93	2GB	14.1" WXGA		250G	5400	Intel 6200	WWAN upg		Finger	***9***	vPro	Pro 32		Jan 10
2522-4BU	i5-520M	2.40	2.93	2GB	14.1" WXGA+	2.0M	320G	7200	Intel 6200	WWAN upg		Finger	6	vPro	Pro 32		Jan 10
2522-4EU	i5-540M	2.53	3.06	*4GB*	14.1" WXGA		320G	7200	Intel 6200	WWAN upg		Finger	6	vPro	Pro 64		Mar 10
2522-4FU	i5-540M	2.53	3.06	2GB	14.1" WXGA+	2.0M	320G	7200	Intel 6200	Gobi 2000	AT&T[23]		6	vPro	Pro 32		Mar 10
2522-4TU	i5-520M	2.40	2.93	2GB	14.1" WXGA		160G	7200	Intel 6200	WWAN upg		Finger	6	vPro	Pro 32		Apr 10
2522-KJU	i5-540M	2.53	3.06	*4GB*	14.1" WXGA	2.0M	160G	SSD	Intel 6200	WWAN upg		Finger	***9***	vPro	Pro 64		Jul 10

- ***These models have a depot repair service 3-year limited warranty***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Positioning	*Premiere performance; two spindles*
Processor	**Intel® Core™ i5 processor i5-520M** or **i5-540M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache
Memory	**2GB** or **4GB** std / 8GB max[7] / PC3-8500 1066MHz **DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available; *Non-italics:* standard memory in one socket; one socket available
SATA DVD±RW Ultrabay Slim	DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable
SATA disk	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access *Some:* **80GB**[8], **128GB**, or **160GB** Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high *Some:* **160GB** (7200 rpm), **250GB** (5400 rpm), or **320GB** (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ *All:* removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive
Widescreen display	*Some:* **14.1"** (358mm) **WXGA (1280x800) color**, anti-glare, **LED backlight**, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio *Some:* **14.1"** (358mm) **WXGA+ (1440x900) color**, anti-glare, **LED backlight**, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio
Camera	*Some:* camera on top of screen, 2.0-megapixel, fixed focus
Discrete graphics	**NVIDIA® NVS™ 3100M**, PCI Express® x16, **256MB** memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; *Maximum external resolution:* 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915)
Keyboard	89-key, ThinkVantage button, spill-resistant, multimedia Fn keys
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.1W" (WxDxH):* 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm
Weight[2]	*6-cell:* starting at 5.0 lb (2.27kg); *9-cell:* starting at 5.35 lb (2.43kg)
Case color	Black
Case material	*Top:* High Elasticity PolyCarbonate (HEPC); *Bottom:* Carbon-Fiber Reinforced Plastic
Battery - type	Lithium Ion **6-cell** or **9-cell**, supports optional Slice battery (57Y4545) as 2nd battery
Battery - life[10]	*6-cell:* up to 5.0 hr; *9-cell:* up to 8.3 hr; *9-cell plus Slice battery:* up to 16.6 hr
Chipset	**Mobile Intel QM57 Express Chipset**
ExpressCard/34	One slot (ExpressCard/34)
Smart Card read	None
Multicard reader	5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC)
Ports	Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)
PCIe Mini Card	Two PCI Express Mini Card slots
Intel 6200[28]	11a/b/g/n wireless[4], PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2
WWAN upg	*Some:* Wireless WAN upgradable
Gobi™ 2000	*Some:* Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider
Carrier	*Some:* AT&T® or Verizon®, contract required with service provider
Modem	56K V.92[6] modem
Bluetooth™	Bluetooth 2.1 wireless, LED indicator
Ethernet	Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	*Some:* UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

Preloaded applications[14] (only some listed)
- Rescue and Recovery™
- Access Connections™
- Password Manager
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Windows Live™ Toolbar
- Skype™ for Windows
- Microsoft Office 2010 preloaded; purchase product key to activate
- Microsoft Research AutoCollage Touch
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Gold rating
ENERGY STAR® 5.0-compliant
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12] via 800-426-7378

ThinkPlus™,[22] 3-year LOR[24] 9x5 NBD	45K6021
ThinkPlus 4-year LOR 9x5 NBD	45K6022
ThinkPlus 5-year LOR 9x5 NBD	45K6024
ThinkPlus 4-year P&L P/U Depot	45K6023
ThinkPlus 5-year P&L P/U Depot	45K6025

Post-warranty annual maintenance agreements at **lenovo.com**/thinkplus/warranty

See footnotes for important warranty information
US models announced January 7, March 2, April 6, or July 6, 2010
US models withdrawn effective February or June 2011

© Lenovo